EP EV CHARGER TECHNICAL SPECIFICATION

Product Specifications	
Power variants	7,4kW / 11kW
Inegrated energy meter (MID)	Yes
Connection of an external energy meter	Yes (Modbus TCP, RS485 interface)
Current monitoring	Yes
Integrated phase switch-off	Yes (3ph.→1ph.[1])
Backend communication protocol	OCPP 1.6
Local communication protocols	Modbus TCP
Encrypted communication	Yes
General	
Charge mode	Mode 3 in accordance with EN 61851-1 AC charging
Overvoltage category	III in accordance with EN 60664
Protection class	I
Protection type	IP54
Protection against mechanical impact	IK10 (cable variant)
Conditional rated short-circuit current	3 kA (I_{cc} according to EN 61439-1)
Ventilation	If ventilation is requested by the vehicle, charging will not be started
Power Supply	
Nominal supply voltage (Europe)	230 / 3x230 (400) V
Nominal current	16 A / 32 A
Current limit	Current limit adjustable via service button: 6A, 8A, 10A, 16A, 20A, 32 A Current limit freely adjustable via app between 6 A and 16/32 A in 1 A steps
Line frequency	50 Hz
Mains forms	TT (230/400 V) / TN (230/400 V) / IT (230 V)
Required upstream short-circuit protective device	≤35 A gG (gL) according to EN 61008/IEC 61439 additional ≤ 20 A fuse or circuit breaker for 16 A cable variant
Internal consumption	• Idle: 6,4 W – 7,2 W • Vehicle plugged in: 7,2 W (paused) • Vehicle plugged in: 10,2 W (charging)

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Supply Terminals	
Type	Push-in spring terminals
Cable feed	Bottom side (surface-mounted), rear side (flush-mounted)
Connection cross-section of the supply	Depending on the cable and the type of installation
• 16 A nominal current	2,5-10 mm^2 / AWG 13-7
• 32 A nominal current:	6,0-10 mm^2 / AWG 9-7
Stripping length	18 mm
Maximum terminal temperature	90 °C
Charging Connection	
Cable variants	• Type 2: up to 32 A / 400 V AC (in accordance with EN 62196-1, EN 62196-2, EN 17186) • Type 2 including shutter: up to 32 A / 400 V AC (in accordance with EN 62196-1, EN 62196-2, EN 17186)
Ambient Conditions	
Application	Inside and outside area
Installation (stationary)	On the wall or on a floor-mounted column
Operating temperature	-25 °C - 50 °C [2]
Maximum temperature for continuous current without derating	
3x16 A nominal current	45 °C (50 °C with integrated case fan)
1x32 A nominal current	38 °C
3x32 A nominal current	40 °C with integrated case fan
Storage temperature	-30 °C - 80 °C
Altitude	2000 m
Temperature behavior	Automatic charging current reduction if overheating occurs
Interfaces	
WLAN	
Type	IEEE 802.11 b,g,n
Band	2,4 GHz
Supported modes	AP Ad-hoc-Mode, Client mode
Ethernet	
Ethernet interface	RJ45
Data transfer rate	10/100 Mbit/s
Potential isolation	Isolation voltage 1500 V AC (1 min.)
Bluetooth®	
Bluetooth® standard	BLE 5.0 or higher
Intended use	Connection with KEBA eMobility App
Band	2,4 GHz
Energy Meter MID	
Type	Active energy meter
Accuracy class	Class B (in accordance with EN 50470-3)
Dimensions and Weight	
Height / width / depth	476 mm / 221 mm / 142 mm
Weight of the charging station (including 6 m charging cable)	≤6,2 kg
Dimensions of the packaging	590 mm x 280 mm x 258 mm

Notes

1. Function will be made available with a later software update.
2. Data without direct sunlight.

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